

LAND APPLICATION SITE
LAWRENCE E FISHER SITE
DWLEF 1
DINWIDDIE COUNTY

* 17123 Gills Bridge Rd
McKenney, Va. 23872
Dinwiddie County

RECYC SYSTEMS, INC

PART D-VI BIOSOLIDS APPLICATION AGREEMENT

This biosolids application agreement is made on 3/9/09 between Lawrence E & Karen W Fisher, referred to here as "landowner", and Recyc Systems, Inc, referred to here as the "Permittee".

Landowner is the owner of agricultural land shown on the map attached as Exhibit A and designated there as Landowners land ("landowner's land"). Permittee agrees to apply and landowner agrees to comply with certain permit requirements following application of biosolids on landowner's land in amounts and in a manner authorized by (VPA) (VPDES) permit number _____ which is held by the Permittee.

Landowner acknowledges that the appropriate application of biosolids will be beneficial in providing fertilizer and soil conditioning to the property and consents to the application of biosolids on his property. Moreover, landowner acknowledges having been expressly advised that, in order to protect public health:

1. Public access to landowner's land upon which biosolids have been applied should be controlled for at least 30 days following any application of biosolids and no biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
2. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, or 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. Other food crops, feed crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
3. Following biosolids application to pasture or hayland sites, meat producing livestock should not be grazed or fed chopped foliage for 30 days and lactating dairy animals should be similarly restricted for a minimum of 60 days. Other animals should be restricted from grazing for 30 days;
4. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person of application of biosolids to a specific permitted site;
5. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare);
6. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.

The landowner agrees to allow county officials access to the area of the property permitted for biosolids, whenever necessary, to complete site inspections related to the scheduled biosolids program.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for biosolids application and specifically prior to any particular application to landowner's land. This agreement may be terminated by either party upon written notice to the address specified below.

Landowner Signature

Karen W Fisher

Mailing Address



Fisher Family
17123 Gills Bridge Rd
Mc Kenney, VA 23872

Farm Operator Signature:

Mailing Address:

Permittee:

Recyc Systems, Inc.

Mailing Address:

P.O. Box 562
Remington Virginia 22734
(540) 547-3300

Lawrence E Fisher Site

[illegible]

RECYC SYSTEMS, INC

FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood			
DWLEF1	12.2	-	-	-	-	CU10	Tm 64 P4	T5564
TOTAL ACRES IN SITE	43.9							

* Net Acreage is calculated based on summer incorporation buffers; property line and dwelling buffers are waived.

Report Number:

R07155-0097

Account Number:

70594

A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401
Fax No. (804) 271-6446 Email: office@al-labs-eastern.com



Send To: RECYC SYSTEMS INC
POB 562
REMINGTON, VA 22734

Grower: L FISHER

Submitted By: H MOODY

Farm I D:

Field I D:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich III

Page: 1

Date Received: 6/4/2007

Date of Analysis: 6/5/2007

Date of Report: 6/6/2007

Page: 1

Date Received: 6/4/2007

Date of Analysis: 6/5/2007

Date of Report: 6/12/2007

Sample Number	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C.
		%	ENR lbs/A	Rate	Available ppm	Reserve ppm	Rate	K ppm	Rate	MG ppm	Rate	CA ppm	Rate	NA ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g	
DWLEF-1	6684	5.7	150	H	32	M		79	M	60	M	390	M			5.5	6.8	0.9	3.6	

Sample Number	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum				
	K	Mg	Ca	Na	H	NO3-N	SO4-S	ZN	MN	FE	CU	B		CL	AL				
	%	%	%	%	%	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate
DWLEF-1	5.7	14.0	54.6		25.8														

Values on this report represent the plant available nutrients in the soil.
Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High).
ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre),
ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams).
Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to the sample(s) tested. Samples are retained a maximum of thirty days after testing. Soil Analysis prepared by:
A & L EASTERN LABORATORIES, INC.

by:

Paul Chu, Ph.D.

THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet
(Spring, 2009-Summer, 2010)
Lawrence E. Fisher
Planner: Recyc Systems, Inc

Tract: 5564

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
0/LEF01(N)	12/12	2009	Grass Pasture	50-30-40	0/0				50-30-40	N/A			
		2010	50-30-40	0/0				50-60-80	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

THE PLANNER IS NOT STATE CERTIFIED

Lawrence E. Fisher Narrative

This is the Lawrence E. Fisher farm located in Dinwiddie County. The farm consists of hay fields.

This is a partial plan written for the purpose of obtaining a biosolids permit. Biosolids application has not been shown since it is uncertain when a permit will be obtained. The partial plan will be revised prior to biosolids application to obtain a target biosolids application rate.

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K2O	Lab	Soil pH	Lime Date	rec. lime tons/Ac
5564	LEF01	12	2009-Sp	M (32 P ppm)	M (79 K ppm)	A&L Mill	5.5		

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
5564	5564/0	LEF01	12	Appling	IVa	II	III	III	

Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
I	>170	>80	>64	>6	>4.0
II	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

Farm Summary Report

Plan: Lawrence E. Fisher Spring, 2009 - Summer, 2010

Farm Name: Lawrence E. Fisher

Location: Dinwiddie

Specialist: Recyc Systems, Inc

Tract Name: 5564

FSA Number: 5564

Location: Dinwiddie

Field Name: LEF01

Total Acres: 12.20 **Usable Acres:** 12.20

FSA Number: 0

Tract: 5564

Location: Dinwiddie

Slope Class: C **Hydrologic Group:** B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

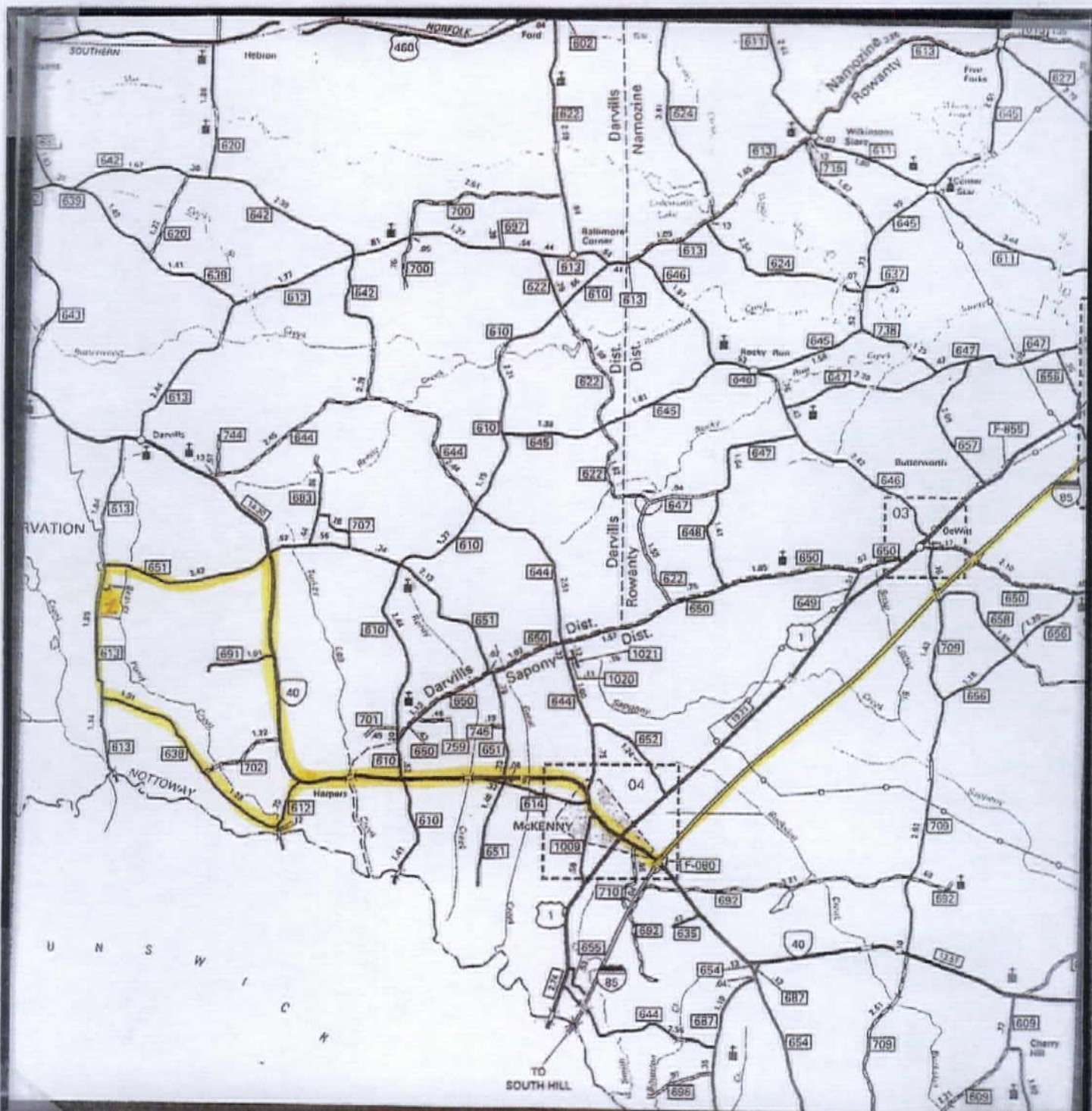
DATE	PH	P	K		Lab
Sp-2009	5.5	M(32 P ppm)	M(79 K ppm)	A&L Mill	

Field Warnings:

MAPS

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2 miles

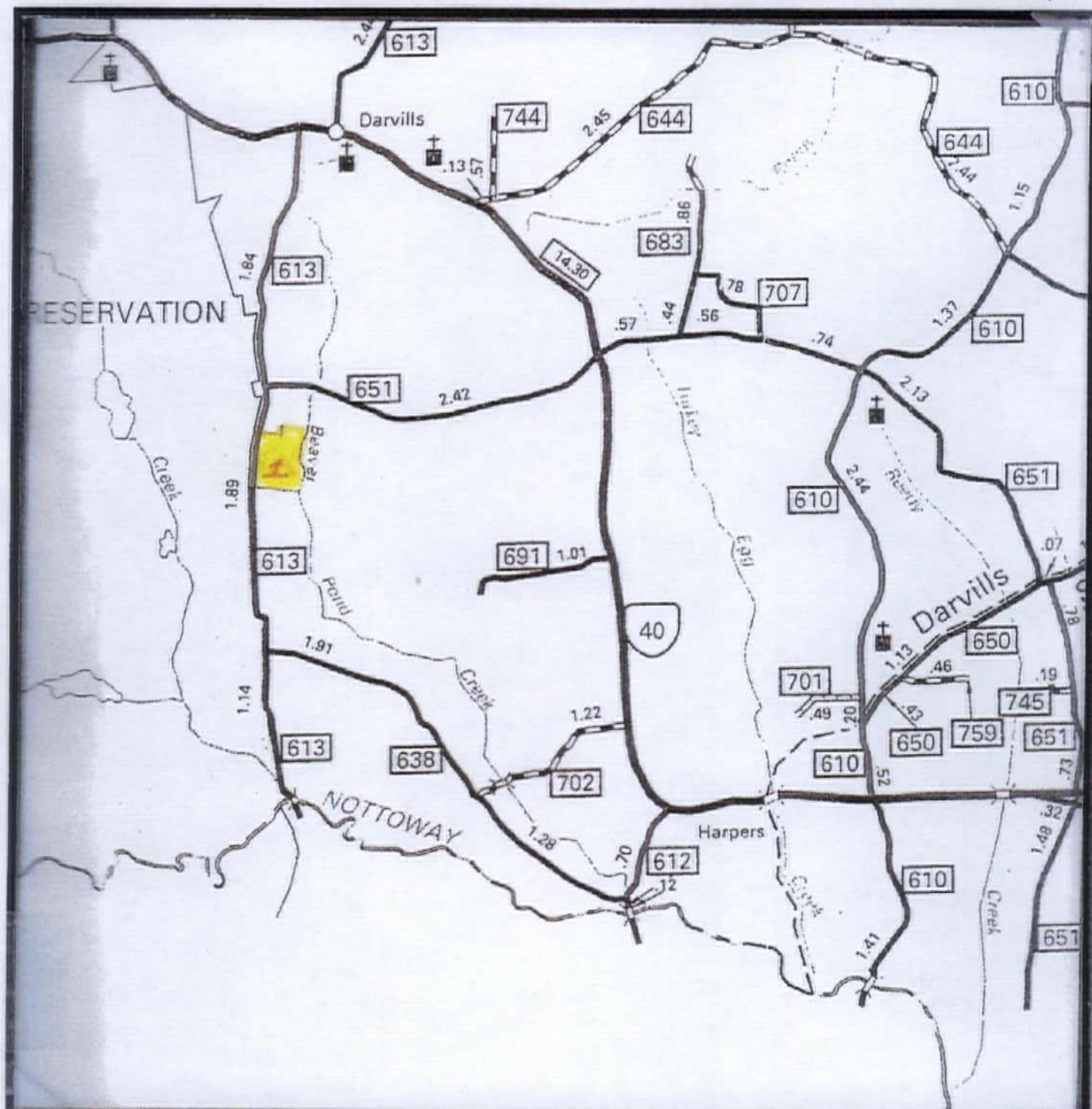
DWLEF 1

VICINITY MAP



Inc.

(Biosolids Land Application)



Scale: 1 inch = 1 mile

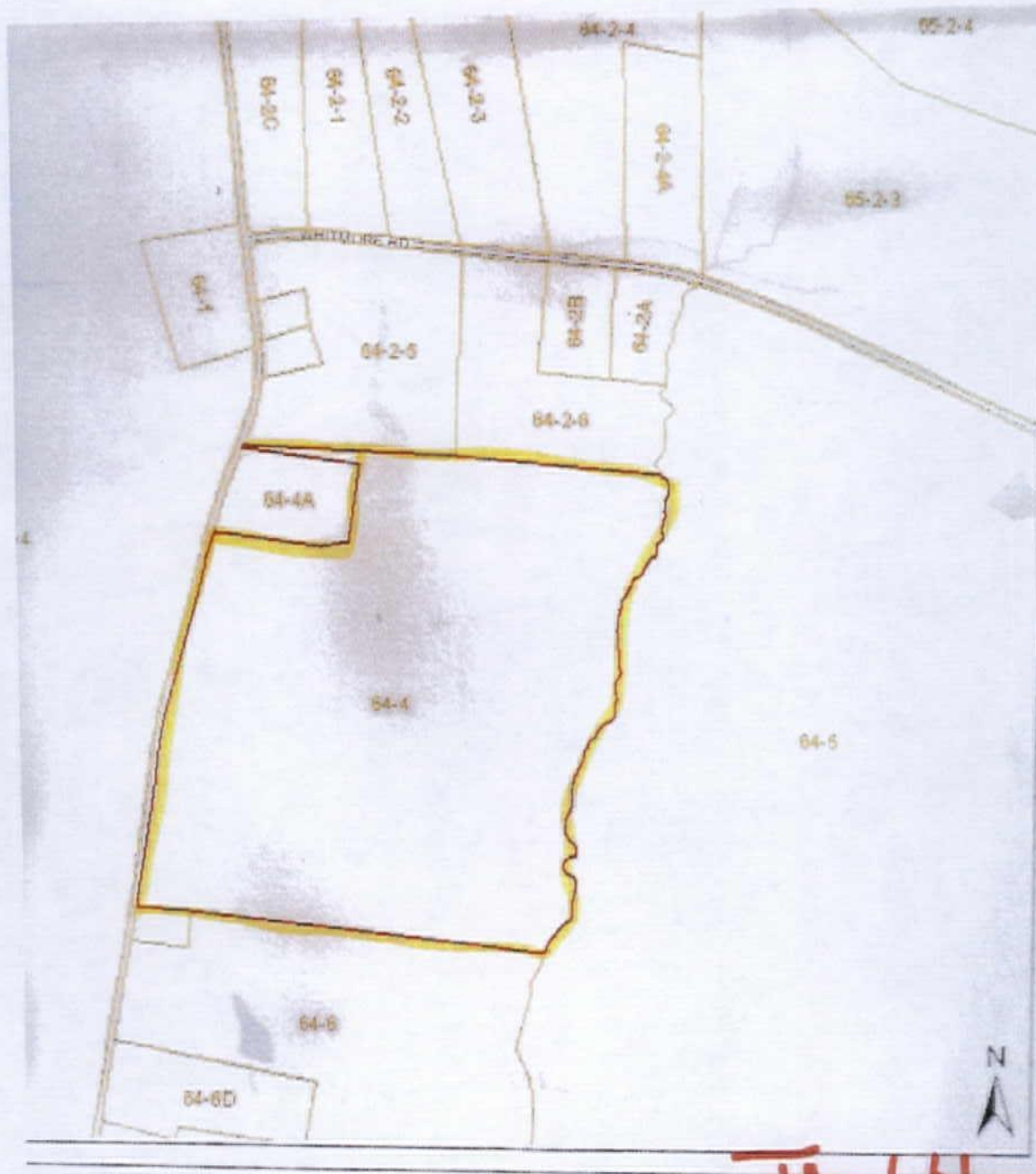
DWLEF 1

VICINITY MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

DWLEF 1

TAX MAP



ADJOINING LANDOWNERS

Lawrence E. Fisher

Dinwiddie County

Tax Map	Parcel #	Owner Name(s)
64	4A	Fred D. Rogers Jr
64	5	Joseph Alexander Fraser Estate
64	6	James L. & Karen Lowry
64	6A	Lawrence E. & karen Fisher
64	2-5.	Faye Frye
64	2-6	Timothy Martin
37	4	U.S.A C/O Sup Petersburg National Battlefield

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

DWLEF 1

SOIL MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



USDA



FSN 2902
Tract 5564

0 125 250 500 750 1,000



Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

















Scale: 1 inch = 660 feet

DWLEF 1

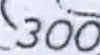
AERIAL MAP



Legend for Site Plan

	House and Well
	Well / Spring
	
	Perennial Streams & Surface
	Wet Spot
	Intermittent Stream / Drainage
	Trees and Woods
	Private Drive
	Rock / Rocky Area
	Sinkhole
	Severely Eroded Spot
	State Road
	Field Boundary / Fence
	Property Line
	Slope
	Frequent Flooded Soil

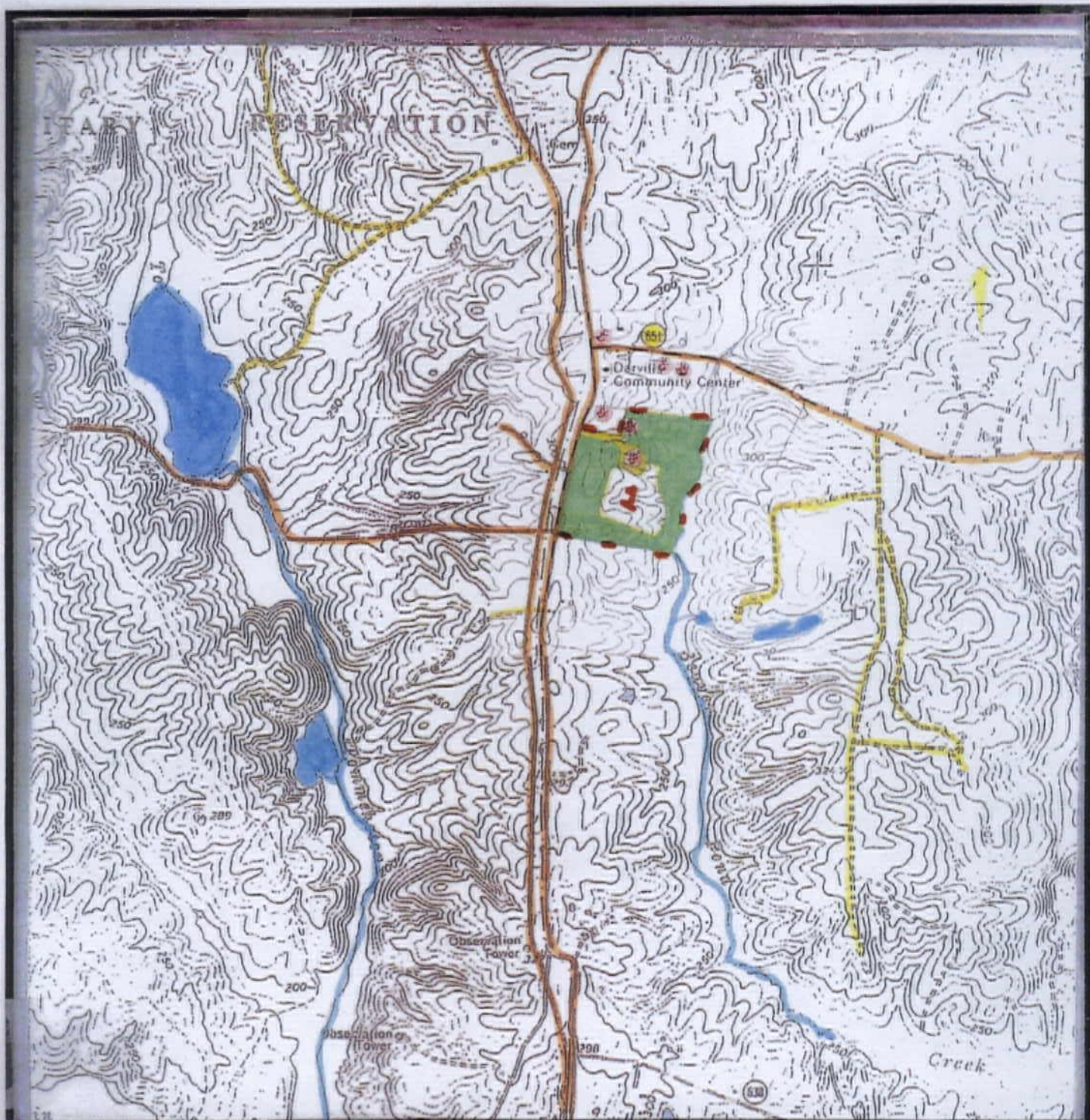
Inc.



DWLEF 1

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2000 feet

DWLEF 1

TOPOGRAPHIC MAP

